

AMIRTHA VARSHINI E

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[Linkedin](#)

[Github](#)

[Portfolio](#)

CAREER OBJECTIVE

FULL-STACK DEVELOPER IN PROGRESS

- Transitioning into Full Stack Development with strong analytical and problem-solving skills.
- Passionate about building scalable, user-friendly web applications using modern technologies.
- Skilled in Python, JavaScript, Flask, React, and PostgreSQL, with experience in frontend, backend, and deployment.
- Keen to contribute to innovative projects and continuously learn new technologies in a dynamic environment.
- Dedicated to writing clean, maintainable code and delivering high-quality solutions that create real impact.

SKILLS

Tools: VS Code | GitHub | Figma | Canva | SQL | Vercel | Render

Technologies & Frameworks: Backend - Flask, Node.js, Express.js, NestJS, Redis, SQLAlchemy, PostgreSQL, TypeORM | Frontend - HTML, CSS, Bootstrap, Vue.js, React.js, Next.js, Mantine UI

Programming: Advanced - Python | Intermediate - JavaScript, Java | Basic - C, C++

WORK EXPERIENCE

Edunet Foundation (in collaboration with AICTE & IBM SkillsBuild) | Aug 2025 - Sept 2025

- Completed a 6-week internship focused on front-end web technologies and modern UI development practices.
- Built responsive web interfaces using HTML, CSS, and JavaScript while gaining hands-on experience in real-world projects and industry workflows.

Junior Accounts Executive - VERANDA RACE | Nov 2021 - Mar 2023 | Chennai, Tamil Nadu 600035

- Streamlined financial operations by automating accounting workflows and optimizing reconciliation, improving accuracy by 25% and efficiency by 80%.
- Boosted overall workflow speed and cross-branch coordination by 30% through data-driven process enhancements.

EDUCATION

Indian Institute of Technology Madras | Year: 2024-Present

BSc in Data Science and Application - CGPA: 9/10

Coursework: Computational Thinking | Programming in Python | Database Management Systems | Programming, Data Structures and Algorithms using Python | Modern Application Development I | Modern Application Development I - Project | Programming Concepts using Java | Modern Application Development II | Modern Application Development II - Project | System Commands

Justice Basheer Ahmed Sayeed College for Women | Year: 2018-2021

Bachelor of Commerce - CGPA: 7.6/10

PROJECTS

Job Portal - Full-Stack Web Application (In Progress)

- Designed and developed a job creation module integrated with a live NestJS backend, ensuring seamless data validation and persistence using TypeORM and PostgreSQL.
- Deployed backend APIs on Render and connected the Next.js + Mantine UI frontend via Vercel, enabling continuous integration and live updates.
- Aiming to extend into a complete job management system with authentication, search filters, and role-based CRUD features for HR automation.

Tech Stack: Next.js | Mantine UI | NestJS | TypeORM | PostgreSQL | Render | Vercel

Github: [Job portal](#)

Interactive Quiz Web Application - Version 2

- Built a full-stack quiz platform using Flask-RESTful, SQLAlchemy, Vue.js, Bootstrap, and Chart.js, implementing role-based access and REST APIs for modular scalability.
- Developed a responsive SPA with admin dashboards, student portals, and real-time scoring with countdown timers.
- Streamlined manual quiz operations through API-first architecture and integrated analytics, reducing admin effort by 70% and boosting system efficiency by 50%.

Github: [Quiz Master App - Version 2](#)

Interactive Quiz Web Application - Version 1

- Developed a web-based quiz system using Flask, JavaScript, HTML, CSS, and Chart.js, featuring an admin panel for subject and quiz management, timed auto-evaluation, and result visualization.
- Built a responsive, user-friendly interface with interactive analytics to enhance exam preparation and improve user engagement by 40%.

Github: [Quiz Master App](#)

ACHIEVEMENTS

Secured a 9.0 CGPA in Diploma in Programming, demonstrating strong academic performance and technical proficiency. Served as Deputy Head for Robo Soccer at IIT Madras, leading event planning and execution for an autonomous robotics competition.